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OM protein - protein search, using sw model

Run on: January 16, 2003, 16:43:32 : Search time 11:3143 seconds
(without alignments)
28,606 Million cell updates/sec

Title: US-09-856-070-23
Perfect score: 55
Sequence: 1 ELMRLQDYEE 11

Scoring table: BLOSUM62
Gapop 10 0 , Gapext 0 5

Searched: 262574 seqs, 2042922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cqn2_6/ptcdat2/2/iaa/5A_COMB pep: *
2: /cqn2_6/ptcdat2/2/iaa/5B_COMB pep: *
3: /cqn2_6/ptcdat2/2/iaa/6A_COMB pep: *
4: /cqn2_6/ptcdat2/2/iaa/6B_COMB pep: *
5: /cqn2_6/ptcdat2/2/iaa/6C_COMB pep: *
6: /cqn2_6/ptcdat2/2/iaa/backkilled pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	100.0	586	4	US-09-040-725A-1
2	36	65.5	62	4	US-09-056-428A-6
3	36	65.5	63	4	US-09-006-428A-7
4	36	65.5	1151	3	US-08-840-006-6
5	36	65.5	1200	3	US-08-840-006-5
6	34	61.8	357	5	PCT-US91-00899-14
7	34	61.8	405	1	US-07-914-281-8
8	34	61.8	405	1	US-08-393-246-8
9	34	61.8	405	1	US-08-525-058A-8
10	34	61.8	405	2	US-08-483-151-4
11	34	61.8	405	2	US-08-696-731-8
12	34	61.8	405	4	US-09-042-531-8
13	33	60.0	27	4	US-09-040-725A-2
14	33	60.0	143	3	US-08-725-459B-43
15	33	60.0	170	3	US-08-725-459B-31
16	33	60.0	171	3	US-08-725-459B-14
17	33	60.0	201	3	US-08-725-459B-33
18	33	60.0	231	3	US-08-725-459B-32
19	33	60.0	281	3	US-08-725-459B-6
20	33	60.0	331	3	US-08-725-459B-3
21	33	60.0	331	3	US-08-725-459B-25
22	33	60.0	374	3	US-08-725-459B-4
23	33	60.0	680	3	US-08-725-459B-3
24	33	60.0	730	3	US-08-725-459B-2
25	33	60.0	733	3	US-08-725-459B-21
26	33	60.0	743	3	US-08-725-459B-22
27	33	60.0	733	3	US-08-725-459B-23

28	33	60.0	734	3	US-08-725-459B-29
29	33	60.0	734	3	US-08-725-459B-30
30	33	60.0	748	3	US-08-725-459B-24
31	33	60.0	748	3	US-08-725-459B-27
32	33	60.0	753	3	US-08-725-459B-25
33	33	60.0	753	3	US-08-725-459B-26
34	33	60.0	759	3	US-08-725-459B-35
35	33	60.0	759	3	US-08-725-459B-36
36	33	60.0	769	3	US-08-725-459B-37
37	33	60.0	769	3	US-08-725-459B-38
38	33	60.0	769	3	US-08-725-459B-39
39	33	60.0	769	3	US-08-725-459B-40
40	33	60.0	772	1	US-08-524-757-12
41	33	60.0	773	1	US-08-524-757-6
42	33	60.0	773	3	US-08-725-459B-1
43	33	60.0	773	3	US-08-725-459B-79
44	32.5	59.1	146	4	US-08-109-192-20
45	32.5	59.1	184	4	US-08-759-628-10

ALIGNMENTS

RESULT 1
US-08-040-725A-1
: Sequence 1, Application US/09040725A
: Patent No. 639584
: GENERAL INFORMATION:
: APPLICANT: Institut Curie
: APPLICANT: CNRS
: APPLICANT: Apin, Monique
: APPLICANT: Crespaldi, Iziliana
: APPLICANT: Gautreau, Alexis
: APPLICANT: Louvard, Daniel
: TITLE OF INVENTION: Paracatalytic composition containing cylin mutated
: FILE REFERENCE: 39108200100
: CURRENT APPLICATION NUMBER: US/09/040,725A
: CURRENT FILING DATE: 1998-03-18
: NUMBER OF SEQ ID NOS: 4
: SOFTWARE: Patent In Ver. 2.1
: SEQ ID NO 1
: LENGTH: 586
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-040-725A-1

Query Match 100.0%, Score 55; DB 4; Length 586;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
DB 346 ELMRLQDYEE 356

RESULT 2
US-09-056-428A-6
: Sequence 6, Application US/99066428A
: Patent No. 6444439
: GENERAL INFORMATION:
: APPLICANT: Jiro Li
: APPLICANT: Kazuhisa Nishizawa
: APPLICANT: Wenqian An
: APPLICANT: Ellis L. Reinherz
: TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
: TITLE OF INVENTION: cd15-LIKE ADAPTOR PROTEIN (CD2BP1)
: FILE REFERENCE: 206239-0-000
: CURRENT APPLICATION NUMBER: US/99/056,428A
: CURRENT FILING DATE: 1998-01-13
: NUMBER OF SEQ ID NOS: 28
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6


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RESULT 6
PCT-US91-00899-14
: Sequence 14, Application PC/TUS9100899
: GENERAL INFORMATION:
: APPLICANT: LOWE, JOHN B.
: TITLE OF INVENTION: Method and Products For the Synthesis of
:   GLYCOSACCHARIDE STRUCTURES ON GLYCOPROTEINS, GLYCOLIPIDS,
:   TITLE OF INVENTION: or as Free Molecules, and For the Isolation of Cloned
:   TITLE OF INVENTION: Genetic Sequences That Determine These Structures
: NUMBER OF SEQUENCES: 16
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
: STREET: 1755 Jefferson Davis Highway, Suite 400
: CITY: Arlington
: STATE: Virginia
: ZIP: 22202
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US-91/00899
: FILING DATE: 19910214
: CLASSIFICATION: 415
: ATTORNEY/AGENT INFORMATION:
: NAME: Lavalleye, Jean-Paul
: REGISTRATION NUMBER: 31,451
: REFERENCE/DOCKET NUMBER: 2363-021-55 PCT
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)521-5940
: TELEFAX: (703)486-2347
: TELEX: 248855 OPAT UR
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 357 amino acids
: TYPE: AMINO ACID
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FRAGMENT TYPE: C-terminal
PCT-US91-00899-14

Query Match 61.8%; Score 34; DB 5; Length 357;
Best Local Similarity 63.6%; Pred. No. 64;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
DB 86 EVDLRVLDYEE 96

RESULT 7
US-07-914-281-8
: Sequence 8, Application US/07914281
: Patent No. 5324663
: GENERAL INFORMATION:
: APPLICANT: LOWE, JOHN B.
: TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
:   OF GLYCOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
:   TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
:   TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
: STREET: 1755 Jefferson Davis Highway, Fourth Floor
: CITY: Arlington
: STATE: Virginia
: COUNTRY: U.S.A.
: ZIP: 22202
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/393,246
: FILING DATE:
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/220,433
: FILING DATE: 30-MAR-1994
: APPLICATION NUMBER: US 07/914,281
: FILING DATE: 20-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Lavalleye, Jean-Paul M. P.
: REGISTRATION NUMBER: 31,451
: REFERENCE/DOCKET NUMBER: 2363-060-55
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)521-4500
: TELEFAX: (703)486-2347

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: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/914,281
: FILING DATE: 19920720
: CLASSIFICATION: 530
: ATTORNEY/AGENT INFORMATION:
: NAME: Lavalleye, Jean-Paul M. P.
: REGISTRATION NUMBER: 31,451
: REFERENCE/DOCKET NUMBER: 2363-060-55
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)521-4500
: TELEFAX: (703)486-2347
: TELEX: 248855 OPAT UR
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 405 amino acids
: TYPE: AMINO ACID
: TOPOLOGY: unknown
: MOLECULE TYPE: protein
US-07-914-281-8

Query Match 61.8%; Score 34; DB 1; Length 405;
Best Local Similarity 63.6%; Pred. No. 73;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
DB 137 EVDLRVLDYEE 147

RESULT 8
US-08-353-246-8
: Sequence 8, Application US/08393246
: Patent No. 5595900
: GENERAL INFORMATION:
: APPLICANT: LOWE, JOHN B.
: TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
:   OF GLYCOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
:   TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
:   TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
: STREET: 1755 Jefferson Davis Highway, Fourth Floor
: CITY: Arlington
: STATE: Virginia
: COUNTRY: U.S.A.
: ZIP: 22202
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/393,246
: FILING DATE:
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/220,433
: FILING DATE: 30-MAR-1994
: APPLICATION NUMBER: US 07/914,281
: FILING DATE: 20-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Lavalleye, Jean-Paul M. P.
: REGISTRATION NUMBER: 31,451
: REFERENCE/DOCKET NUMBER: 2363-060-55
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)521-4500
: TELEFAX: (703)486-2347

```

TELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 405 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US 08-493-246 B

Query Match 61.8%; Score 34; DB 1; Length 405;
 Best Local Similarity 63.6%; Pred. No. 73;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
 1 11 1111
 DB 137 EVOLRVLDYEE 147

RESULT 9

US 08-525-058A B
 Sequence 8, Application US/08525058A
 Patent No. 5770420

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 OF OLIGOSACCHARIDE STRIP-TYPES ON GLYCOPROTEINS,
 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
 STREET: 1755 Jefferson Davis Highway, Fourth Floor
 CITY: Arlington
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/525,058A
 FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: Lavallee, Jean-Paul M. P.
 REGISTRATION NUMBER: 31,451
 REFERENCE/DOCKET NUMBER: 2363-060-55
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)521-4500
 TELEFAX: (703)486-2347

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
 LENGTH: 405 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US 08-525-058A B

Query Match 61.8%; Score 34; DB 1; Length 405;
 Best Local Similarity 63.6%; Pred. No. 73;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
 1 11 1111
 DB 137 EVOLRVLDYEE 147

RESULT 10

US 08-483-151 4
 Sequence 4, Application US/08483151

Patent No. 5858752
 GENERAL INFORMATION:
 APPLICANT: Seed, Brian
 TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/483,151
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Leach, Karen F.
 REGISTRATION NUMBER: 35,238
 REFERENCE/DOCKET NUMBER: 09/86/2/8001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
 LENGTH: 405 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-483-151-4

Query Match 61.8%; Score 34; DB 2; Length 405;
 Best Local Similarity 63.6%; Pred. No. 73;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
 1 11 1111
 DB 137 EVOLRVLDYEE 147

RESULT 11

US-08-696-731-8
 Sequence 8, Application US/08696731
 Patent No. 5955347

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
 STREET: 1755 Jefferson Davis Highway, Fourth Floor
 CITY: Arlington
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/696,741
 FILING DATE: 14-AUG-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/393,246
 FILING DATE: 08/220,433
 APPLICATION NUMBER: US 08/220,433
 FILING DATE: 30-MAR-1994
 APPLICATION NUMBER: US 07/914,281
 FILING DATE: 20-JUL-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Lavalleye, Jean Paul M. P.
 REGISTRATION NUMBER: 31,451
 REFERENCE/DOCKET NUMBER: 2363-060-55
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)521-4500
 TELEFAX: (703)486-2347
 TELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 405 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-696-731-8

Query Match 61.8%; Score 34; DB 2; Length 405;
 Best local Similarity 63.6%; Pred. No. 73;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0.

QY 1 ELMPLQDYEE 11
 I: ||: ||||
 Db 137 EVDLRVLDYEE 147

RESULT 12
 US-09-042-531-8
 Sequence 8, Application US/09042531
 Patent No. 6268193
 GENERAL INFORMATION:
 APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS.
 TITLE OF INVENTION: GLYCULIFELS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTANT.
 STREET: 1755 Jefferson Davis Highway, Fourth Floor
 CITY: Arlington
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22202
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/042,531
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/393,246
 FILING DATE:
 APPLICATION NUMBER: US 08/220,433
 FILING DATE: 30-MAR-1994
 APPLICATION NUMBER: US 07/914,281
 FILING DATE: 20-JUL-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Lavalleye, Jean Paul M. P.
 REGISTRATION NUMBER: 31,451

REFERENCE/DOCKET NUMBER: 2363-060-55
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)521-4500
 TELEFAX: (703)486-2347
 TELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 405 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-09-042-531-8

Query Match 61.8%; Score 34; DB 4; Length 405;
 Best local Similarity 63.6%; Pred. No. 73;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0.

QY 1 ELMPLQDYEE 11
 I: ||: ||||
 Db 137 EVDLRVLDYEE 147

RESULT 13
 US-09-040-725A-2
 Sequence 2, Application US/09040725A
 Patent No. 6394584
 GENERAL INFORMATION:
 APPLICANT: Institut Curie
 APPLICANT: CNRS
 APPLICANT: Arpin, Monique
 APPLICANT: Crepaldi, Tiziana
 APPLICANT: Gautreau, Alexis
 APPLICANT: Louvard, Daniel
 TITLE OF INVENTION: Pharmaceutical composition containing ezrin mutated
 TITLE OF INVENTION: on tyrosine 353
 FILE REFERENCE: 391082000100
 CURRENT APPLICATION NUMBER: US/09/040,725A
 CURRENT FILING DATE: 1998-03-18
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 27
 TYPE: PRT
 ORGANISM: Homo sapiens
 NAME/KEY: variation
 LOCATION: (22)
 OTHER INFORMATION: Xaa - tyrosine or a phosphorylated tyrosine
 US-09-040-725A-2

Query Match 60.0%; Score 33; DB 4; Length 27;
 Best local Similarity 87.5%; Pred. No. 6.4;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0.

QY 4 LRLQDYEE 11
 I: ||||: ||
 Db 17 LRLQDYEE 24

RESULT 14
 US-08-735-459B-43
 Sequence 43, Application US/08725459B
 Patent No. 6084068
 GENERAL INFORMATION:
 APPLICANT: CONAWAY, RONALD C.
 APPLICANT: CONAWAY, JOAN W.
 TITLE OF INVENTION: ELONGIN A AND C FUNCTIONAL DOMAINS
 NUMBER OF SEQUENCES: 79
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SIDDLEY & AUSTIN
 STREET: 717 N HARWOOD, SUITE 3400
 CITY: DALLAS
 STATE: TX

COUNTRY: US
 ZIP: 75201 6507
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/725,459B
 FILING DATE: 04-OCT-1996
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: HANSEN, EUGENIA S.
 REGISTRATION NUMBER: 41,966
 REFERENCE/LOCKET NUMBER: 11146/07501
 TELEPHONE: 214-981-3400
 TELEFAX: 214-981-3400
 INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 143 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: protein
 FEATURE:
 NAME/KEY: Peptide
 LOCATION: 1..143
 OTHER INFORMATION: /note="amino acids 520-662 of
 US 08-725-459B-43

Query Match 60.0%; Score 33; DB 3; Length 143;
 Best Local Similarity 63.6%; Pred. No. 37;
 Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
 I: | | | | |
 DB 108 EMYLRIGQARE 118

RESULT 15
 US-08-725-459B 41
 : Sequence 41, Application US/08/725459B
 : Patent NO. 6084068
 : GENERAL INFORMATION:
 : APPLICANT: CONAWAY, RONALD C.
 : APPLICANT: CONAWAY, JUAN W.
 : TITLE OF INVENTION: ELONGIN A AND C FUNCTIONAL DOMAINS
 : NUMBER OF SEQUENCES: 79
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: SIDLEY & AUSTIN
 : STREET: 717 N. HARMWOOD, SUITE 3400
 : CITY: DALLAS
 : STATE: TX
 : COUNTRY: US
 : ZIP: 75201 6507
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : OPERATING SYSTEM: IBM PC compatible
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/725,459B
 : FILING DATE: 04-OCT-1996
 : CLASSIFICATION: 530
 : ATTORNEY/AGENT INFORMATION:
 : NAME: HANSEN, EUGENIA S.
 : REGISTRATION NUMBER: 41,966
 : REFERENCE/LOCKET NUMBER: 11146/07501
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 214-981-3400
 : TELEFAX: 214-981-3400

: INFORMATION FOR SEQ ID NO: 31:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 170 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: not relevant
 : TOPOLOGY: not relevant
 : MOLECULE TYPE: protein
 : FEATURE:
 : NAME/KEY: Peptide
 : LOCATION: 1..170
 : OTHER INFORMATION: /note="amino acids 521-690 of
 : OTHER INFORMATION: Elongin A"
 : US-08-725-459B-31
 : Query Match 60.0%; Score 33; DB 4; Length 170;
 : Best Local Similarity 63.6%; Pred. No. 45;
 : Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 11
 I: | | | | |
 DB 107 EMYLRIGQARE 117

Search completed: January 16, 2003, 16:59:13
 Job time : 11.5143 secs